

**Uji Daya Hasil Galur MG1012 dengan Tiga Varietas Pembanding Tanaman Cabai Keriting (*Capsicum Annum L.*). Yield Trials genotype MG1012 with Three Varieties of Plants Comparative Curly Chili (*Capsicum annum L.*).Advisor : Dwi Rahmawati and Nurul Syamsijah.**

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### **ABSTRACT**

*The research aims to know the results plant curly pepper genotype MG1012 with three varieties of them. The research was carried out on in April 2016 until November 2016 located on Hayam Wuruk street, Kaliwates, Jember, East Java. The design used was Randoemized Complete Block Design (RCBD) single factor. Consisting of 1 genotype and 3 varieties there are: A = curly chili genotye MG1012, B = curly chili varieties KIYO, C = curly chili varieties JINGGO, D = curly chili varieties LADO with 4 times replications. The results of research can be concluded that curly chili genotype MG1012 are superior compared to three varieties of comparison, on observations parameters of plants higher 83,12 cm, age of flowering 47 hst, fruit length 18,30 cm, fruit diameter 0,815cm, weight each fruit 6,56 gram and seeds each fruit is 83 fruit. Genotype MG1012 have yield per plant also shows higher yield and significantly different that is to 686,29 gram with JINGGO varieties which have yield per plant 506,01 gram and LADO to 562,06 gram.*

**Keywords:** *Curly Red Pepper, Genotype, Varieties, Yield Trials*